

DETAILED ACTION

Acknowledgment of Amendment

1. Applicant's Amendment, Received July 14, 2008, is acknowledged. No claims have been cancelled or added. The claims 1-13 are currently pending.

Acknowledgement of Foreign Priority

2. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy of foreign priority application, filed on July 11, 2005, is acknowledged. The papers have been placed of record in the file.

Allowable Subject Matter

3. Claims 1-13 are allowed.

4. The following is an examiner's statement of reasons for allowance:

5. Regarding amended independent claim 1, the prior art of record discloses an energy converter comprising: a heat source for emitting electromagnetic radiations; and a radiation cut portion for cutting down infrared radiations, of which the wavelengths are longer than a predetermined wavelength, wherein the radiation cut portion is a woven or knitted mesh of metal wires, the openings of the woven or knitted mesh having an aperture size that is smaller than the predetermined wavelength.

Art Unit: 2879

6. However the prior art of record does not teach or suggest that the woven or knitted mesh of metal wires have at least portions of the metal wires bent to form an intertwined structure having openings.

7. Claims 2-8, 11 and 12 are allowed because of their dependency.

8. Regarding amended independent claim 9, the prior art of record discloses or suggests a method of making an energy converter, the method comprising the steps of: preparing a heat source that emits electromagnetic radiations; preparing a radiation cut portion that cuts down the infrared radiations, of which the wavelengths are longer than a predetermined wavelength; and arranging the radiation cut portion such that the radiation cut portion faces at least one side of the heat source, from which the electromagnetic radiations are emitted, wherein the radiation cut portion is woven or knitted mesh of metal wires, the openings of the woven or knitted mesh having an aperture size that is smaller than the predetermined wavelength.

9. However the prior art of record does not teach or suggest that the woven or knitted mesh of metal wires have at least portions of the metal wires bent to form an intertwined structure having openings.

10. Claim 10 is allowed because of its dependency.

11. Regarding amended independent claim 13, the prior art of record discloses a radiation cut member for cutting down infrared radiations, of which the wavelengths are longer than a predetermined wavelength, wherein the radiation cut member is a woven or knitted mesh of metal wires, the openings of the woven or knitted mesh having an aperture size that is smaller than the predetermined wavelength.

Art Unit: 2879

12. However the prior art of record does not teach or suggest that the woven or knitted mesh of metal wires have at least portions of the metal wires bent to form an intertwined structure having openings.

13. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas A. Hollweg whose telephone number is (571) 270-1739. The examiner can normally be reached on Monday through Friday 7:30am-5:00pm E.S.T..

15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic

Application/Control Number: 10/541,924
Art Unit: 2879

Page 5

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000

/Thomas Hollweg/
Patent Examiner, Art Unit 2879

/NIMESHKUMAR D. PATEL/
Supervisory Patent Examiner, Art Unit 2879